

Title (en)
WORK ASSISTANCE SYSTEM AND WORK ASSISTANCE COMPOSITE SYSTEM

Title (de)
ARBEITSASSISTENZSYSTEM UND ARBEITSASSISTENZVERBUNDSYSTEM

Title (fr)
SYSTÈME D'AIDE AU TRAVAIL ET SYSTÈME COMPOSITE D'AIDE AU TRAVAIL

Publication
EP 4283051 A1 20231129 (EN)

Application
EP 21935171 A 20211208

Priority
• JP 2021058131 A 20210330
• JP 2021045030 W 20211208

Abstract (en)
A remote system is provided which is capable of causing information about a work machine selected by an operator and about a slave connected with a master to be displayed. A remote operation system communicates with work machines and with a remote operation device which remotely operates one work machine as a target among the work machines. An actual machine image-capturing device capturing an image and an actual machine identification information of which is captured to be included in the image, are mounted on the work machine as a candidate of the target among the work machines. The system includes a first assistance process element which connects a cooperating work machine with the remote operation device, the work machine being identified by an identifier corresponding to selection information of the selected work machine, and acquires the image captured by the actual machine image-capturing device of the work machine and a second assistance process element which causes an output interface of the remote operation device to output the image captured by the actual machine image capturing device of the work machine.

IPC 8 full level
E02F 9/20 (2006.01); **H04N 7/18** (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP US)
E02F 9/205 (2013.01 - EP US); **E02F 9/2054** (2013.01 - EP); **E02F 9/261** (2013.01 - US); **G06V 20/58** (2022.01 - US); **G08C 17/02** (2013.01 - EP); **H04N 7/183** (2013.01 - US); **G08C 2201/20** (2013.01 - EP); **G08C 2201/51** (2013.01 - EP); **G08C 2201/91** (2013.01 - EP); **H04N 7/183** (2013.01 - EP); **H04N 7/185** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4283051 A1 20231129; CN 117136557 A 20231128; JP 2022154873 A 20221013; US 2024052594 A1 20240215; WO 2022209018 A1 20221006

DOCDB simple family (application)
EP 21935171 A 20211208; CN 202180096551 A 20211208; JP 2021045030 W 20211208; JP 2021058131 A 20210330; US 202118278476 A 20211208